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 TI High-strength hydraulic **cement** composition
 IN Eun, Hee Kwon; Jung, Hyung Jin
 PA S. Korea
 SO PCT Int. Appl., 18 pp.
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 DT Patent
 LA Korean
 IC ICM C04B007-21
 ICS C04B022-12; C04B022-14; C04B028-08; C04B028-22
 CC 58-1 (Cement, Concrete, and Related Building Materials)
 FAN.CNT 1

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PI	WO 8600290	A1	19860116	WO 1984-KR9	19841214
	W: AU, BR, JP, US				
	RW: AT, BE, CH, DE, FR, GB, LU, NL, SE				
	AU 8537814	A1	19860124	AU 1985-37814	19841214
	EP 188618	A1	19860730	EP 1985-900212	19841214
	R: AT, BE, CH, DE, FR, GB, LI, LU, NL, SE				
	BR 8407336	A	19861125	BR 1984-7336	19841214
PRAI	KR 1984-3667		19840627		
	WO 1984-KR9		19841214		

CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	WO 8600290	ICM	C04B007-21
		ICS	C04B022-12; C04B022-14; C04B028-08; C04B028-22
AB	A general-purpose, high-strength hydraulic cement compn. is prepd. by compounding a conventional slag gypsum cement with slaked lime, pozzolanic materials, silicofluoride, and/or Al ₂ (SO ₄) ₃ . The compn. serves to overcome the disadvantages of conventional slag-gypsum cement . Thus, blast-furnace slag 70, gypsum 10, portland cement clinker 3, and power plant bottom ash 10 kg were ball-milled to 4000 cm ² /g and mixed with Ca(OH) ₂ 5, Na ₂ SiF ₆ 0.5, and MgSiF ₆ 1.5 kg to prep. a hydraulic cement having 7- and 28-day strength 277 and 410 kg/cm ² , resp., compared to 164 and 224 for conventional slag cement .		
ST	lime slag cement strengthening; sodium silicofluoride slag cement ; magnesium silicofluoride slag cement ; aluminum sulfate slag cement ; coal ash slag cement		
IT	Ashes (residues) (coal, in slag cement contg. gypsum and lime, for high strength)		
IT	Cement		